

[illegible]

FIG. 1

A schematic cross-sectional view of a multi-layered material assembly. The assembly consists of several layers labeled 12, 22, 36, and 41. Layer 12 contains horizontal wavy lines, layer 22 contains horizontal dashed lines, layer 36 contains small circles, and layer 41 contains cross-hatching. Other labels include 18, 19, 14, 38, 53, 55, 42, V.P., 60, 56, 32a, 26, 46, 48b, 48c, 44, and 20. Arrows indicate forces or flow directions.

FIG. 2

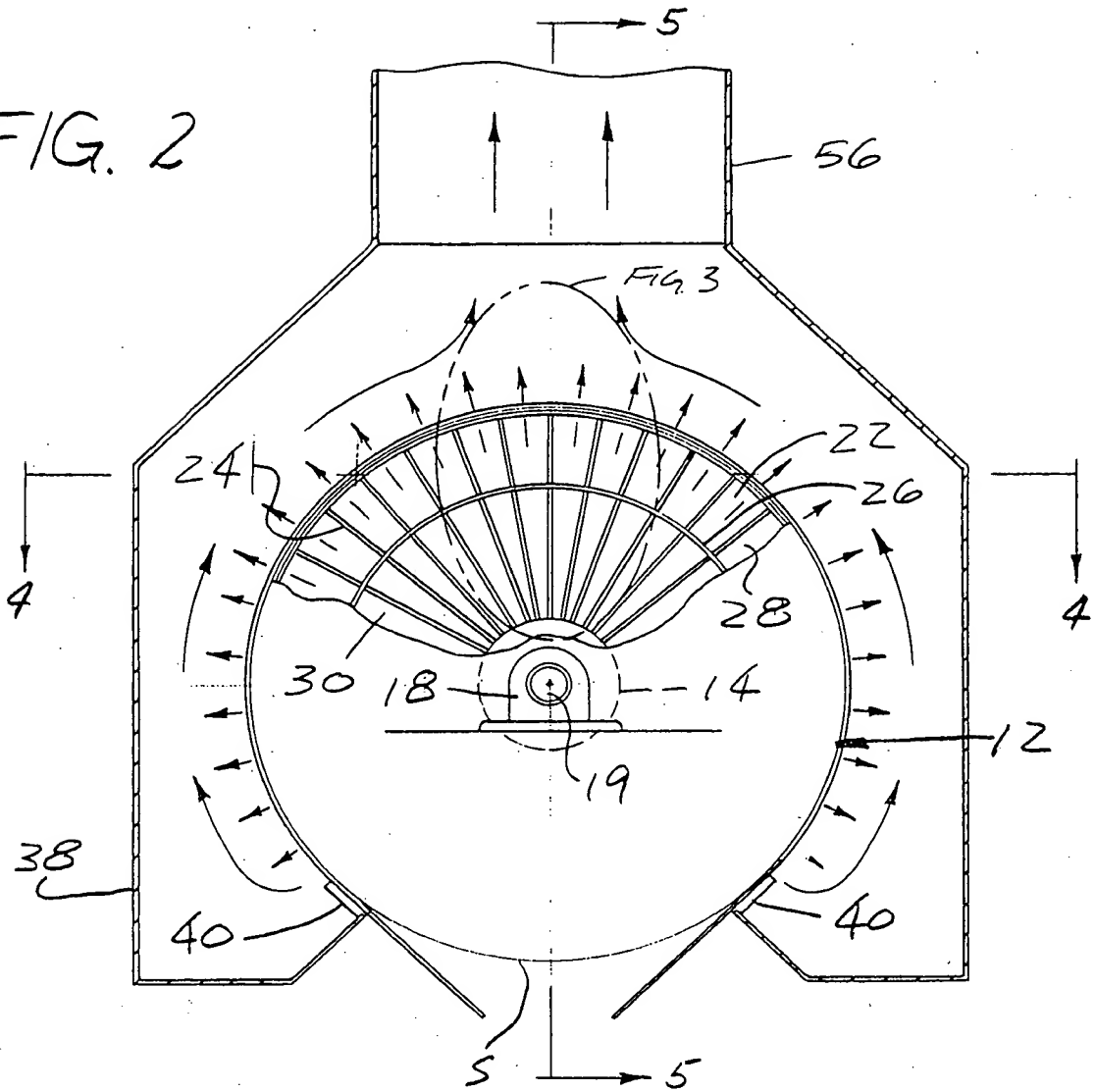
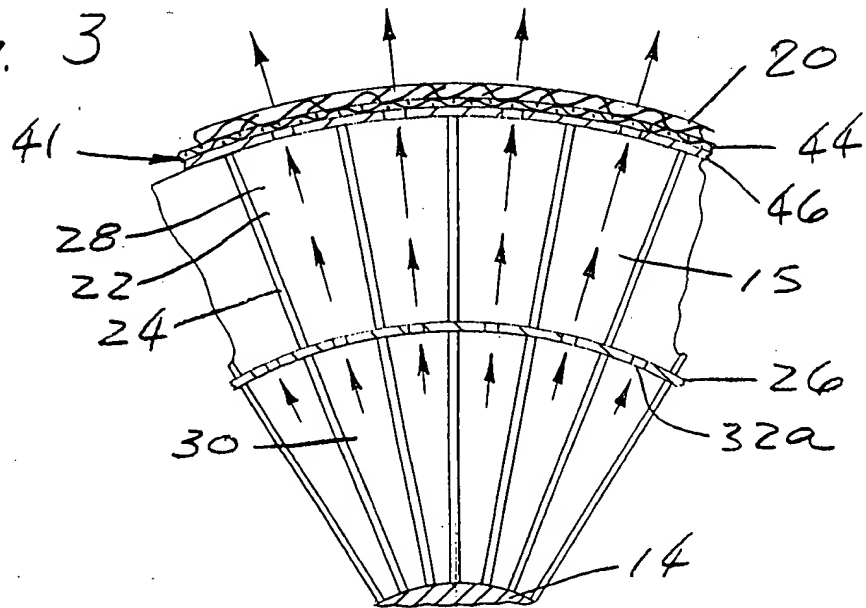


FIG. 3



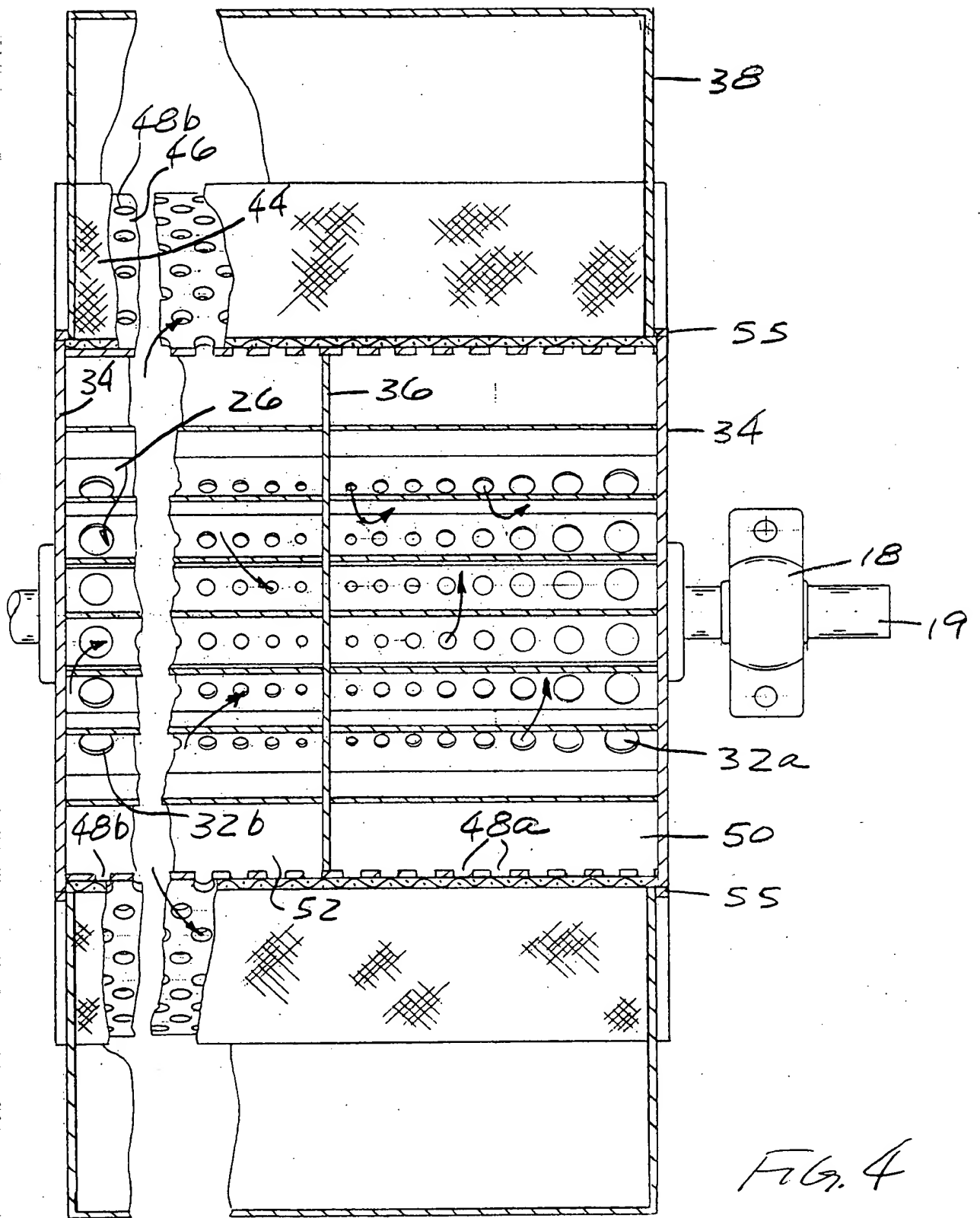
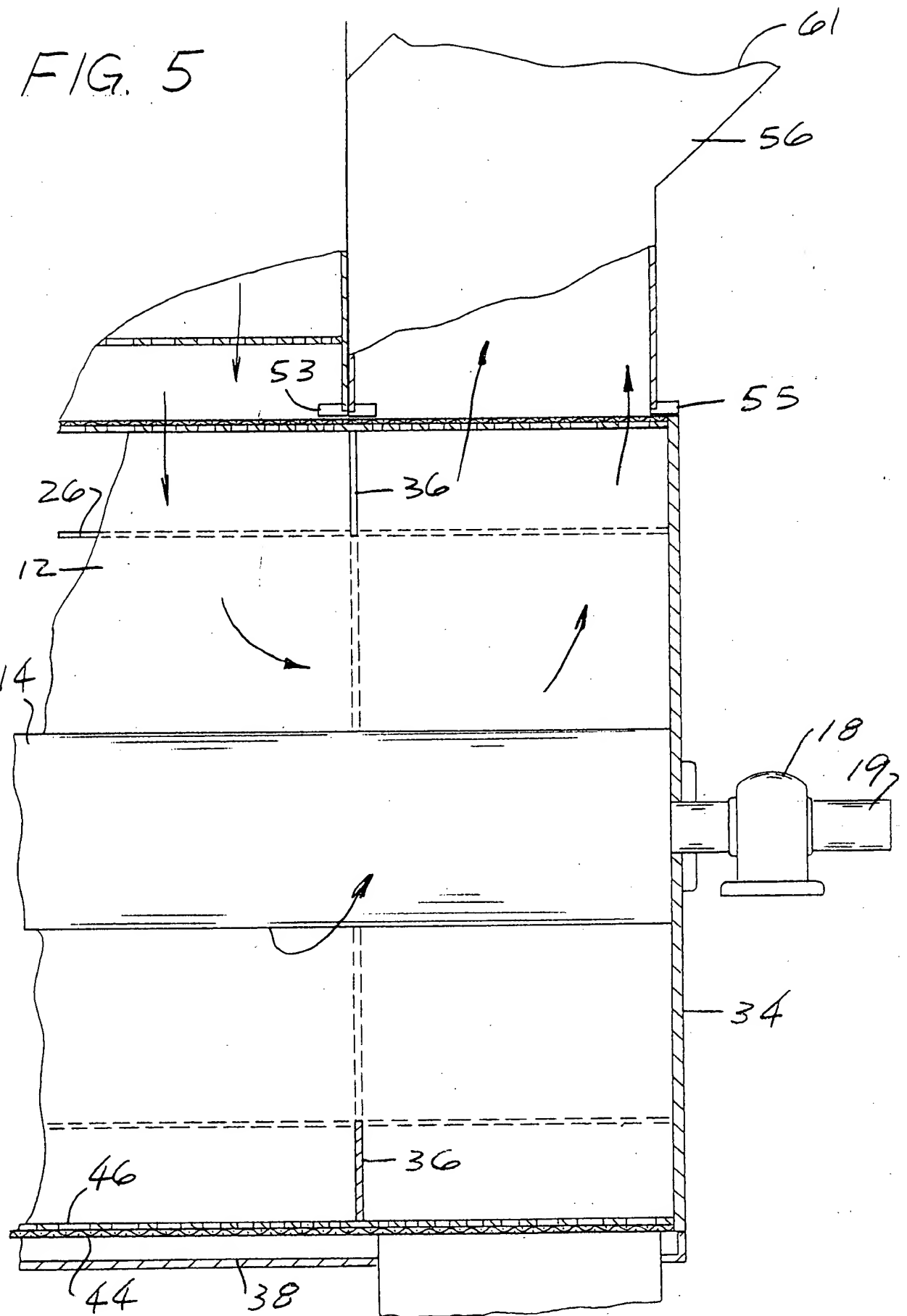
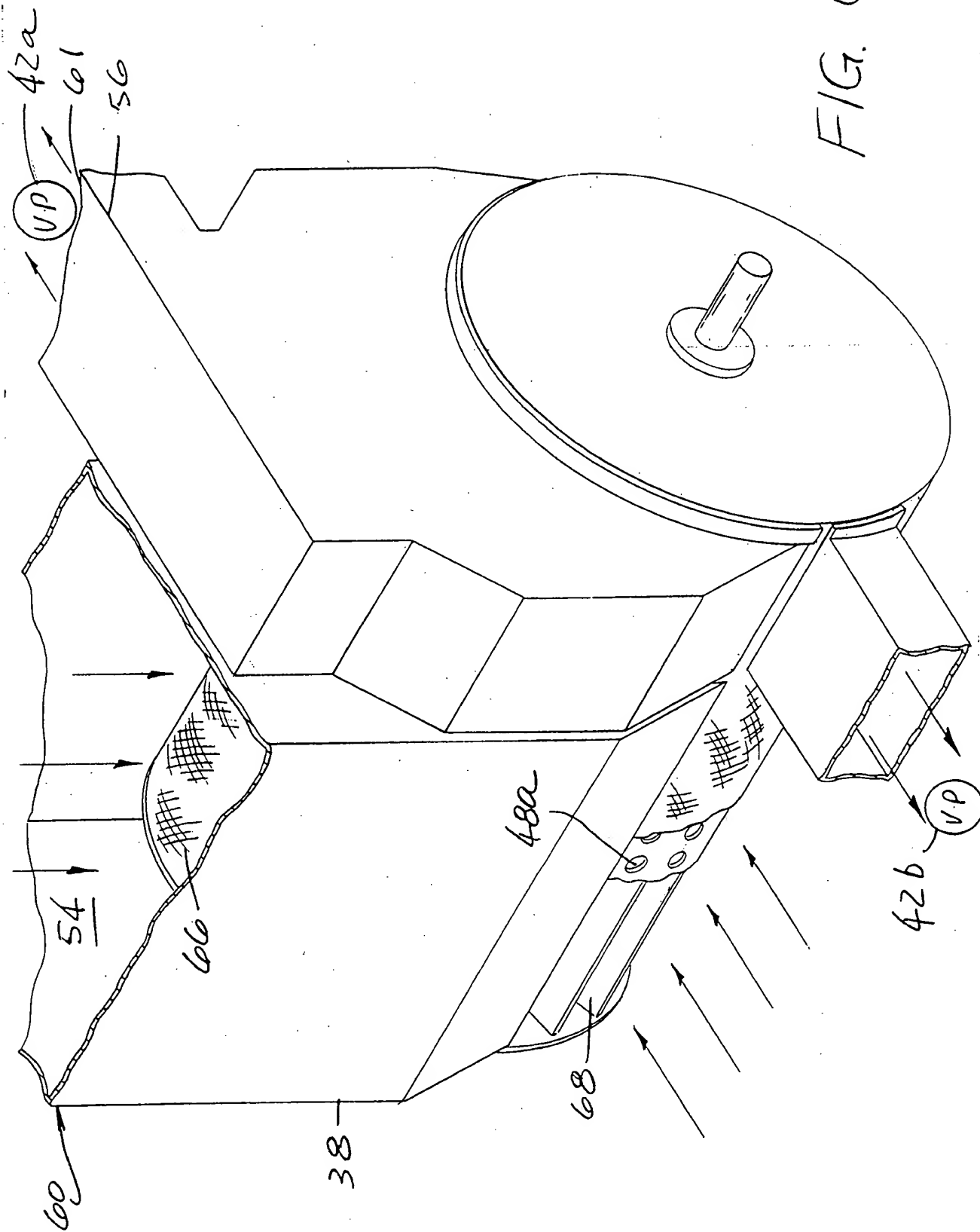


Fig. 4

FIG. 5





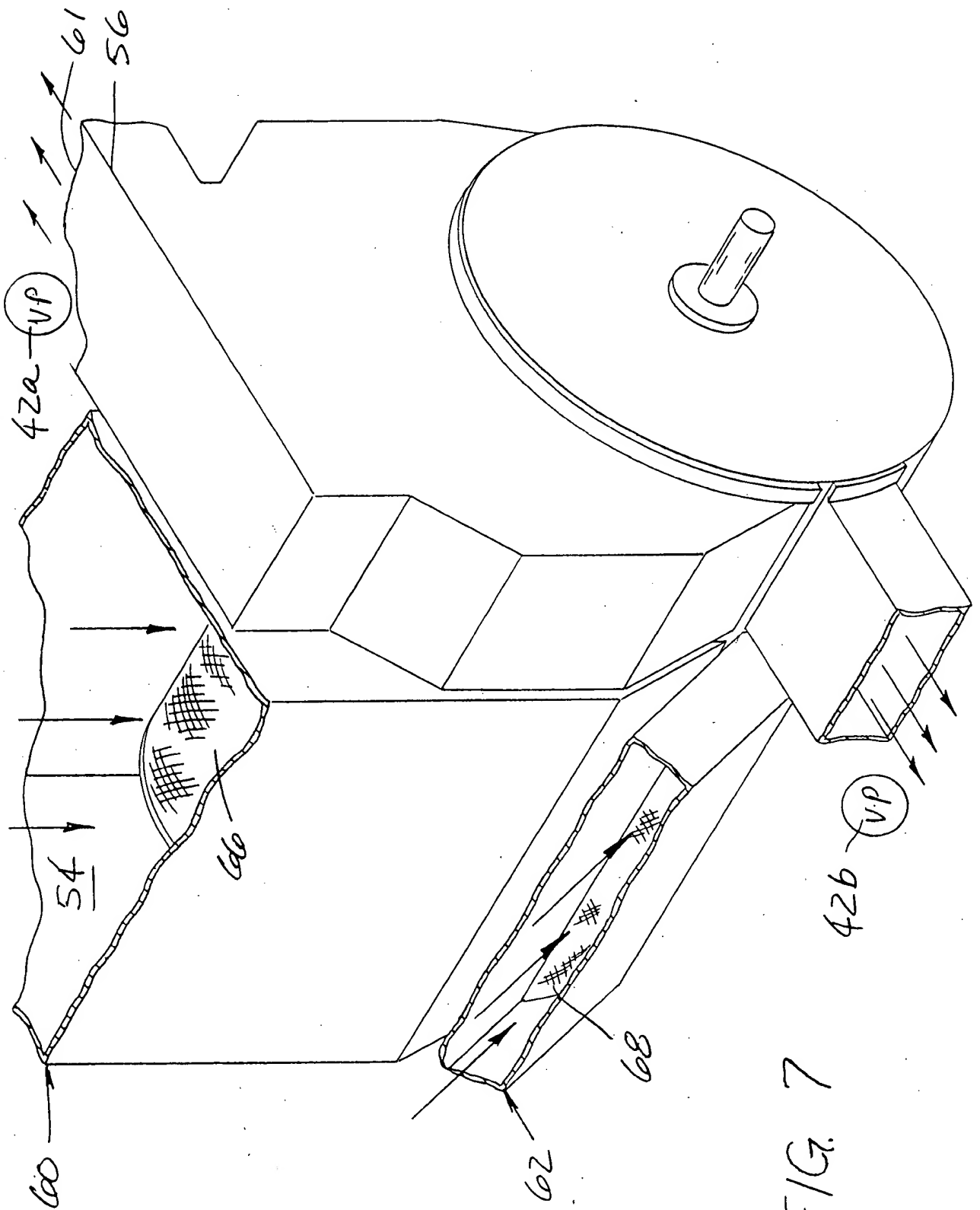


FIG. 7